PCU CONDITION CATHODE

NOTE

Prior to commanding the cathode condition routine, the xenon purge must be shutdown for a minimum of 12 hours.

1. SUPPLY POWER AND ENABLE RT TO PCU

PCS Z1: EPS
'PCU 1 (2)'
If PCU 1 (2) - not Active
sel PCU 1(2)
PCU 1 (2)
sel RPC 15
cmd Close **Execute**
√Position - Cl

Node1: C&DH: MDM N1-2
Primary NCS MDM Node1
sel UB EPS_N1-23 (14)
sel RT Status
sel Ena_Inh RT Commands
cmd Ena_PCU_1(2) **Execute**

2. VERIFY PCU STATUS

NOTE
If these conditions are not met, the condition cathode command will be rejected.

sel PCU 1 (2)
PCU 1 (2)
√Operational Status - Shutdwn
√Discharge Pressure <20.7 kPa
√Cathode Cndtng Seq Indicator - <blank>

3. CATHODE CONDITIONING ROUTINE

sel Operational Status
cmd PCU_1(2)_Cathode_Cndtng_Seq_Arm
cmd PCU_1(2)_Cathode_Cndtng_Seq
√Operational Status - Condition Cathode Routine

NOTE
1. Xenon preheating may require 10 to 200 hours before reaching operating temperature. The cathode conditioning sequence will not start until the tank reaches operating temperature.
2. Cathode conditioning may require 5 to 6 hours.

√Operational Status - Shutdwn
√Cathode Cndtng Seq Indicator - Complete